

Message

From: Walker, Stuart [Walker.Stuart@epa.gov]
Sent: 7/14/2020 9:12:13 PM
To: Dolislager, Fredrick G. [dolislagerf1@ornl.gov]; Praskins, Wayne [Praskins.Wayne@epa.gov]
CC: Manning, Karessa [manningkl@ornl.gov]
Subject: RE: Hunters Point

With the small rooms don't the highest risk positions tend to be corners? You might want to do that next and average position second. I don't think the other next to wall position is ever the driver.

Stuart Walker
Superfund Remedial program National Radiation Expert
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From: Dolislager, Fredrick G. <dolislagerf1@ornl.gov>
Sent: Tuesday, July 14, 2020 4:58 PM
To: Walker, Stuart <Walker.Stuart@epa.gov>; Praskins, Wayne <Praskins.Wayne@epa.gov>
Cc: Manning, Karessa <manningkl@ornl.gov>
Subject: RE: Hunters Point

Stuart,

Karessa helped me get the attached file in shape. This is a resident run in SE mode for all isotopes. It is concrete, center of room. There is a new tab that has the new surface factors. The 3-D External BPRG Individual tab has several new columns where I post-processed the BPRG run. Column T is the default BPRG for ground plane. Column Z is where I removed the Fsurf from the BPRG. Column AA calls the new splash factors. Column AB incorporates the new splash factors (Fsurf). Column AC is just a verification of the default results.

Please review.

I will try and do the other receptor positions before I go

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Ex. 6 Personal Privacy (PP) C

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From: Walker, Stuart <Walker.Stuart@epa.gov>
Sent: Tuesday, July 14, 2020 4:24 PM
To: Praskins, Wayne <Praskins.Wayne@epa.gov>

Cc: Dolislager, Fredrick G. <dolislagerf1@ornl.gov>

Subject: [EXTERNAL] FW: Hunters Point

Fyi, the surface factors.

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From: Dolislager, Fredrick G. <dolislagerf1@ornl.gov>

Sent: Tuesday, July 14, 2020 11:30 AM

To: Walker, Stuart <Walker.Stuart@epa.gov>; Samuels, Caleigh <samuelsce@ornl.gov>

Subject: FW: Hunters Point

Stuart,

Attached are the draft surface factors for contaminated floors and partial walls (6 ft). This is a 10x10x10 concrete room with surface contamination. In the file you will find 4 receptor positions. I included a little table comparing the current surface factors to the new ones. You'll notice a large difference in some low energy photon emitters such as Am-241. This is to be expected as the interactions for low energy photons are heavily dependent on the soil composition used for the baselines. We are pretty happy with the data trends, but consider this a preliminary release, please. If you need anything additionally, please communicate with Caleigh and copy me.

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Caleigh